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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 00-1123-R)

In application of:

Lin, et al.

Serial No. 10/667,696

Filed: September 22, 2003

For: Label-Free Methods for Performing  
Assays Using a Colorimetric Resonant  
Optical Biosensor

Examiner: To be Assigned

Group Art Unit: 1641

TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In regard to the above identified application,

1. We are transmitting herewith the attached:
  - a) Sixth Supplemental Information Disclosure Statement PTO Form 1449;
  - b) 18 cited references;
  - c) Return postcard
2. It is believed no fee is due at this time.
3. GENERAL AUTHORIZATION: Please charge any additional fees or credit overpayment to Deposit Account No. 13-2490. A duplicate copy of this sheet is enclosed.
4. CERTIFICATE OF MAILING UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 7-25-05.

Date:

7-25-05

Respectfully submitted,

Lisa M.W. Hillman, Ph.D  
Registration No. 43,673

**FORM PTO-1449**  
(Rev. 2-32)

**U.S. Department of Commerce**  
**Patent and Trademark Office**

**Atty. Docket No.**

00-1123-R

**Serial No.**

10/667,696

**SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE**  
**STATEMENT BY APPLICANT**

(Use several sheets if necessary)



**Applicant:**

Lin, et al.

**Filing Date:**

September 22, 2003

**Group:**

1641

**U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	*	US 2003/0148542	8-7-03	Pawlak			11-27-02
	*	US 2002/0171045	11-21-02	Perraut			5-17-02
	*	4,815,843	3/28/89	Tiefenthaler, et al.	356	128	5/29/86
	*	4,952,056	8/28/90	Tiefenthaler	356	73.1	5/5/89
	*	5,071,248	12/10/91	Tiefenthaler, et al.	356	128	11/14/88
	*	3,810,688	5/14/74	Ballman, et al.	350	96	5/21/73
	*	3,856,604	12/24/74	Hershler, et al.	156	361	9/15/72
	*	4,050,895	9/27/77	Hardy, et al.	436	527	9/17/76
	*	4,344,438	8/17/82	Schultz	128	633	4/28/80
	*	4,560,246	12/24/85	Cramp, et al.	385	12	8/9/82
	*	4,650,329	3/17/87	Barrett, et al.	356	481	11/29/84
	*	4,652,290	3/24/87	Cho et al.	65	31	7/5/83
	*	4,701,008	10/20/87	Richard et al.	385	132	8/10/84
	*	4,810,658	3/7/89	Shanks, et al.	436	172	2/13/86
	*	4,818,710	4/4/89	Sutherland, et al.	436	527	12/6/85
	*	4,857,273	8/15/89	Stewart, et al.	436	82	4/4/86
	*	RE33,064	9/19/89	Carter	436	34	10/9/87
	*	4,608,344	8/26/86	Carter, et al.	436	34	5/18/83
	*	4,6218,194	4/17/01	Lyndin et al.	436	518	10/12/99
	*	4,560,248	12/24/85	Cramp, et al.	350	96.35	

# FOREIGN PATENT DOCUMENTS

		Document Number							Date	Country	Class	Subclass	Translation	
													Yes	No
	1.	8	1	0	0	9	1	2	4/2/81	PCT				
	2.	0	0	7	5	3	5	3	3/30/83	PCT				
	3.	6	7	0	5	2	1	A5	6/15/89	CH				
	4.	6	6	9	0	5	0	A5	2/15/89	CH				
	5.	8	6	0	7	1	4	9	12/4/86	PCT				
	6.	2	1	5	6	9	7	0A	16.10.85	GB				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

	7.	Nellen, et al., "Integrated Optical Input Grating Couplers as Biochemical Sensors", <i>Sensors and Actuators</i> , 15 (1988) 285-295
	8.	W. Lukosz and K. Tiefenthaler, "Embossing technique for fabricating integrated optical components in hard inorganic waveguiding materials," <i>Optics Letters</i> , vol. 8, pp. 537-539 (1983)
	9.	K. Tiefenthaler and W. Lukosz, "Integrated optical switches and gas sensors," <i>Optics Letters</i> , vol. 10, pp. 137-139 (1984)
	10.	Chabay, "Optical Waveguides," <i>Analytical Chemistry</i> , vol. 54, pp. 1071A - 1080A (1982)
	11.	Sutherland et al., "Optical Detection of Antibody-Antigen Reactions at a Glass-Liquid Interface," <i>Clin. Chem.</i> , vol. 30, pp. 1533-1538 (1984)
	12.	Ronald T. Holm and Edward D. Palik, "Internal-reflection spectroscopy," <i>Laser Focus</i> , vol. 15, pp. 60-65 (August 1979)
	13.	N.J. Harrick and George I. Loeb, "Multiple Internal Reflection Fluorescence Spectrometry," <i>Analytical Chemistry</i> , vol. 45, pp. 687-691 (1973)
	14.	P.K. Tien, "Light Waves in Thin Films and Integrated Optics," <i>Applied Optics</i> , vol. 10, pp. 2395-2413 (1971)
	15.	Dakss, et. al., "Grating Coupler for Efficient Excitation of Optical Guided Waves in Thin Films," <i>Applied Physics Letters</i> , vol. 16, pp. 523-525 (1970)
	16.	Sutherland et al., "Immunoassays at a Quartz-Liquid Interface: Theory, Instrumentation and Preliminary Application to the Fluorescent Immunoassay of Human Immunoglobulin G," <i>Journal of Immunological Methods</i> , vol. 74, pp. 253-265 (1984)
	17.	English translation of CH 670 521 A5
	18.	English translation of CH 669 050 A5
EXAMINER		DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.